

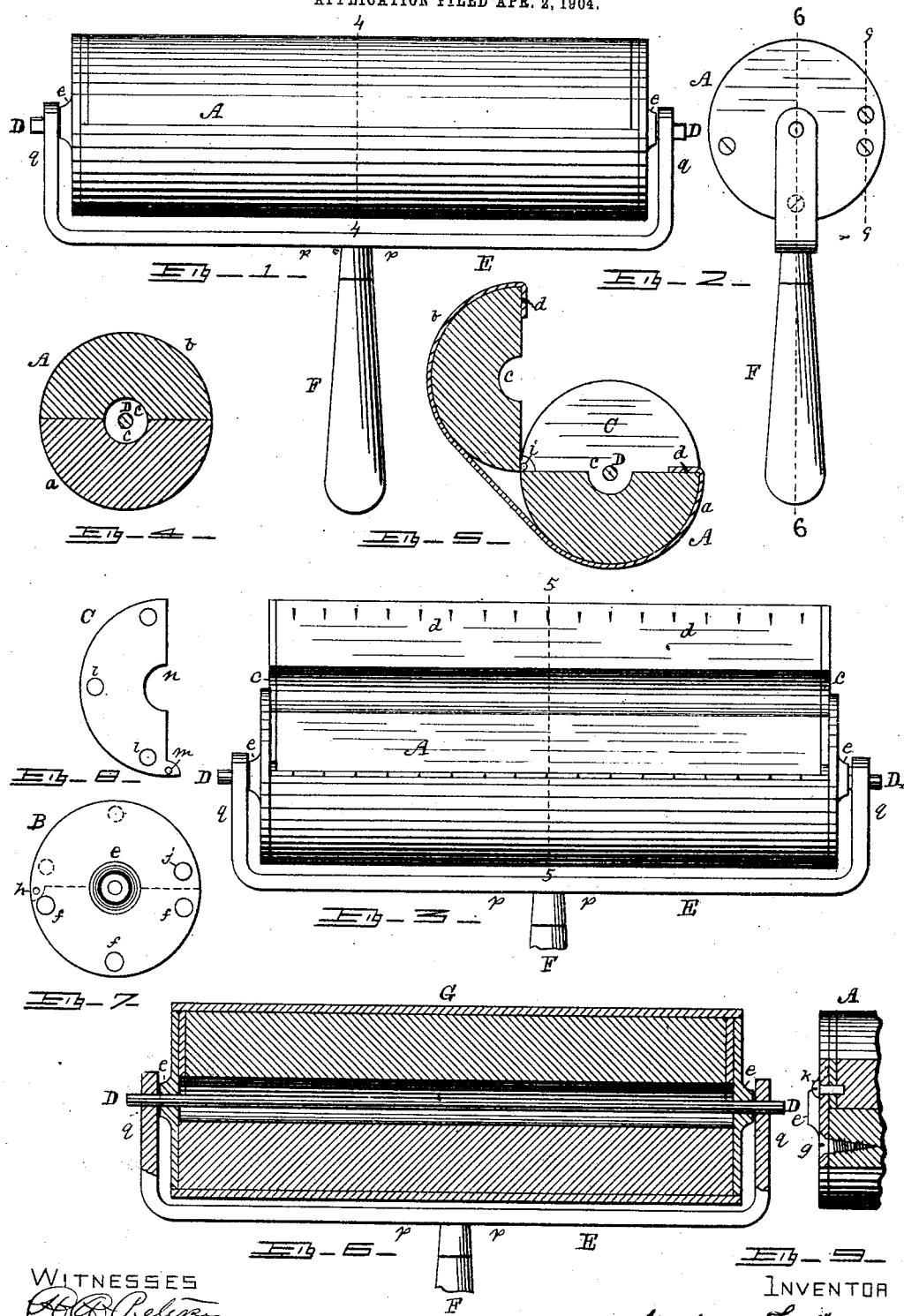
No. 782,840.

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W. FORTIER.

PAINTER'S OR PAPER HANGER'S ROLLER.

APPLICATION FILED APR. 2, 1904.



WITNESSES

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## UNITED STATES PATENT OFFICE.

WILLIAM FORTIER, OF MINNEAPOLIS, MINNESOTA.

## PAINTER'S OR PAPER-HANGER'S ROLLER.

SPECIFICATION forming part of Letters Patent No. 782,840, dated February 21, 1905.

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*To all whom it may concern:*

Be it known that I, WILLIAM FORTIER, of Minneapolis, county of Hennepin, and State of Minnesota, have invented new and useful Improvements in Painters' or Paper-Hangers' Rollers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to hand-rollers used by painters when doing stenciling and by paper-hangers in applying paper to walls and ceilings; and my purpose is, first, the production of a roller adapted to both of these purposes; second, a roller adapted to receive a cover or cushion, which cover may be removed when soiled and a new or clean one substituted therefor.

To these ends my improved roller consists of the device illustrated in the drawings, described in the following specification, and referred to in the subjoined claim.

In the drawings, Figure 1 is a side elevation of my improved roller closed and without the covering; Fig. 2, an end elevation thereof; Fig. 3, a side elevation thereof opened and without the covering; Fig. 4, a section of Fig. 1 taken on the line 4-4; Fig. 5, a section of Fig. 3 taken on the line 5-5, covered; Fig. 6, a section of Fig. 2 taken on the line 6-6; Fig. 7, a side elevation of one of the flanges; Fig. 8, the same of one of the pivot-plates, and Fig. 9, a section of Fig. 2 taken on the line 9-9.

Similar letters refer to similar parts.

A is the roller; B, the flanges; C, the pivot-plate; D, the shaft; E, the bail or yoke; F, the handle, and G the covering.

The roller A is longitudinally divided, (preferably in the middle,) thus forming two semi-cylindrical parts a and b, each of which is provided with a centrally-located groove c, the purpose of which is to provide a chamber for the shaft D, and with series of "cat-claws" or hooks d, the purpose of which will be set forth in its order.

The flanges B are circular in form and are provided with centrally-pierced hubs e, through which the shaft D passes. They are

further provided with the holes f, adapted to receive the screws g, by means of which they are affixed to the ends of the fixed portion a of the roller A, with the pivot-holes h, adapted to receive the pivot-pins i, upon which the portion b of the roller A swings, and with the hole j, adapted to receive the locking-pin k, which pin serves to hold the parts a and b closely in contact when the roller is covered and closed.

The pivot-plates C are semicircular in form, are provided with the screw-holes l, by means of which they are affixed to the ends of the movable portion b of the roller A, with a laterally-extending pivot-pin m, adapted to enter and rotate within the pivot-hole h of the flange B, with the notch n to accommodate the shaft D, and with a hole adapted to receive the locking-pin k.

The shaft D is affixed in and rotates with the flanges B or (if deemed preferable) may be journaled and rotate in the flanges B.

The bail E consists of a bar p, lying parallel with the roller A, the ends of which are laterally bent to form the parallel portions q q, which parallel portions constitute bearings for the shaft D.

The handle F is affixed to and forms a part of the bail E. It may be made of any suitable material and affixed to the bail E in any convenient manner.

The covering G (which may be of any suitable material) is cut to the required size, one of its parallel edges affixed to the series of the cat-claws or hooks d of one of the semi-cylindrical parts of the roller A, (while its two parts are separated, as shown in Fig. 5,) its body portion drawn tightly over and around the curved sides thereof, and its opposite parallel edge affixed to the other series of cat-claws or hooks d and the two parts folded together and secured in place by means of the locking-pin k or other suitable device.

It is apparent that by affixing the covering G to the opened roller A as above described and thereafter closing the same the said covering will be stretched, and therefore lie close to the circumferential surface thereof.

The purposes to which such rollers are applicable are so well understood that I do not deem it necessary to specify them herein.

What I claim as new, and desire to secure 5 by Letters Patent, is—

The combination of a longitudinally-divided roller, one segment having cylindrical flanges affixed to its ends and the other segment having pivot-plates affixed to its ends; each of 10 said segments being fashioned with a longitudinal groove, and furnished with a series of cat-claws or hooks; said flanges being fashioned

with pivot-holes and said pivot-plates being provided with laterally-extending pivot-pins adapted to enter, and to rotate within the said 15 pivot-holes; a shaft extending through the said longitudinal grooves and affixed in the said flanges; and a bail in which the end portions of the said shaft are journaled, substantially as shown and for the purpose specified. 20

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Witnesses:

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